

Draft DAT notes for June 7, 2012

Attendees: Angela Llaban, Edmund Yu, Lacey Wall, Wenli Yin and Andy Chu (DWR), Geir Aasen and Lauren Damon (CDFG), Barb Byrne (NMFS), RG Fernando and Owen Lu (MWD) and Leigh Bartoo (FWS)

Salmonid Monitoring

Species*	Red Bluff Diversion Dam RST	Tisdale Weir RST	Knights Landing RST
Date	5/20/12 - 6/2/12	6/1/12-6/4/12	6/1/12-6/5/12
CHNF	186,190	3	2
CHNLF	983		
CHNW			
CHNS	597		
CHN hatchery			
SH wild	3,065	1	
SH hatchery			
*Chinook race based on length; CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, SH = Steelhead			

A summary of salmonid monitoring data can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>.

Delta Monitoring

Trawl and Seine Report for 5/27/12 to 6/2/12				
Species*	Beach Seines	Mossdale KDTR**	Sacramento KDTR	Chippis Is MWTR
CHNF			13	109
CHNLF				
CHNW				
CHNS				
CHN hatchery				20
SH wild				
SH hatchery				
DSM				5 (no expression)
LFS				1
SPLT	210			2
*Chinook race based on length; CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, SH = Steelhead, DSM=Delta smelt, LFS=Longfin smelt, SPLT = Splittail				

** From April through June, Mossdale trawls are being conducted by DFG (Region 4) and not by FWS. Therefore, FWS will not be reporting Mossdale trawl data during this period. From May 31 to June 2, a total of 63 Chinook were caught. The season total for Chinook caught at Mossdale is 3,147. No steelhead were caught at Mossdale since May 24.

Salvage

Salmonids - Salvage report for 5/29/12 to 6/3/12								
	CVP				SWP			
Species	Adipose Clip Hatchery		Non-Adipose Clip Wild		Adipose Clip Hatchery		Non-Adipose Clip Wild	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF			24	18	16	72	69	323
Total to Date	40	26	317	222	20	91	391	1,739
CHNLF								
Total to Date	25	20	20	14				
CHNW							4	21
Total to Date	227	175	453	377	233	1,035	388	1,702
CHNS								
Total to Date	96	63	614	492	46	226	445	1,900
SH					4	17	4	17
Total to Date	397	270	89	61	196	849	243	1,052
Chinook race based on length; Adipose fin clips indicates hatchery stock; Non-adipose clip indicates natural origin. SWP steelhead loss = salvage × 4.33, CVP steelhead loss = salvage × 0.68.								

Smelts and Others – Salvage report for 5/29/12 to 6/3/12				
	CVP		SWP	
Species	Salvage	Total to Date	Salvage	Total to Date
DSM*	22	319	385	1,891
LFS**		898		2,842
SPLT		248	4	3,884
GST				
WST		64		
DSM=Delta smelt, LFS=Longfin smelt, SPLT = Splittail, GST=Green sturgeon, WST=White sturgeon				

*Larval delta smelt < 20 mm FL were reported in larval fish samples from 5/29/2012 to 6/3/2012 at the federal facility and from 0900 hours on 5/29/2012 to 1500 hours on 5/31/2012 at the state facility.

**No larval longfin smelt < 20 mm FL were reported in larval fish samples from 5/29/2012 to 6/3/2012 at the federal facility and from 0900 hours on 5/29/2012 to 1500 hours on 5/31/2012 at the state facility.

Salvage information is posted at <ftp://ftp.dfg.ca.gov/salvage/> (you can also try <http://www.dfg.ca.gov/delta/apps/salvage/Default.aspx> and click on “salvage FTP site”). Chinook salmon, steelhead, and sturgeon salvage data are located in the tables under the folder “DOSS salvage tables.” Smelt salvage data are located under the folder “Daily Smelt Summary.”

Smelt Monitoring

20mm Survey 6 was in the field May 21-24. Data processing is on-going.

There were 425 Delta smelt caught ranging between 6-36 mm in length. 15 Delta smelt were caught in the lower San Joaquin River and 251 were caught in the north delta. The rest were located at or downstream of the confluence.

There were 523 longfin smelt (11-39 mm) adults caught in 20 mm Survey 6. Most were located downstream of the confluence.

20mm Survey 7 is in the field this week.

The latest survey updates can be found at <http://www.dfg.ca.gov/delta/data/>.

Smelt Working Group

The SWG did not make any recommendations for a change in operations. Current operations adequately protect smelt from entrainment. The RPA for Action 3 will continue until June 30 unless a temperature off ramp is met.

Smelt Working Group notes are posted at <http://www.fws.gov/sfbaydelta/OCAP/index.cfm>.

DOSS

The DOSS is advising NMFS and WOMET that the projects should be operating to the NMFS RPA Action IV.2.3 (OMR criteria using loss density) or IV.2.2 (6 Year Study), whichever is more conservative, through June 15. RPA IV.2.2 requires a minimum of 1:1 Vernalis inflow to export ratio (or 1500 cfs combined pumping, whichever is greater) between June 1 and June 15, unless water temperatures exceed 22°C at Mossdale for 7 consecutive days. WOMET discussed the advice and at the time of the conference call, NMFS had not yet made a determination.

An e-mail update was sent to DAT after the call with the NMFS determination:

NMFS' final determination is that operating to the 1:1 Vernalis inflow to export ratio from June 1 to June 15, as provided in Action IV.2.2, is not necessary for this year, based on the following:

- The 1:1 Vernalis inflow to export ratio limit was intended to be implemented in concert with a 6-year acoustic tag study steelhead release in June. Josh Israel (Reclamation) reported that the last steelhead release was made on May 22.
- Best available science indicates that steelhead take up to 2 weeks to outmigrate, so although not a definitive conclusion, most, if not all, of the steelhead released on May 22 have likely migrated out of the 6-year study area.
- The Vernalis inflow to export ratio during the period from June 1-5 were already different than the minimum provided in Action IV.2.2, so hydrodynamic conditions were already different than what was intended as part of June steelhead release.

As of May 31, the total number of sentinel steelhead tags detected at Railroad Cut from the 3rd experimental release was 42. Total detections for the 1st and 2nd experimental releases were 49 and 51, respectively.

DOSS notes are posted at <http://www.swr.noaa.gov/ocap/doss.htm>.

Operations

Summary for June 7, 2012			
SWP		CVP	
Clifton Court (cfs)	1,600	Jones Pumping Plant (cfs)	2,200
Outflow (cfs)	7,100	American - Nimbus (cfs)	3,000
Feather - Oroville (cfs)	3,477	Sacramento - Keswick (cfs)	10,500
San Luis Total (TAF)	1,222	Stanislaus - Goodwin (cfs)	
San Luis Share (TAF)	739	San Luis Share (TAF)	
X2 (Km)	>81		
E/I (%)	24.6		

OMR (daily)			
OMR 5 day (cfs)	-3,676		
OMR 14 day (cfs)	-3,476		

Daily operations summary can be viewed at
<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

Delta Water Temperature Conditions

On June 6 Mossdale temperature was 19.6°C and Clifton Court temperature was 21.3°C

Additional temperature data can be found at
<http://www.water.ca.gov/swp/operationscontrol/docs/delta/DeltaMisc1.pdf>.

Next meeting: The next DAT conference call is scheduled for June 14, 2012 at 11:00am.